

## S3700&S5700&S6700 Series Ethernet Switches V200R001C01

## **Quick Start**

Issue 02

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## **About This Document**

## **Intended Audience**

This document describes how to verify basic functions of the S3700, S5700 and S6700 during the deployment to ensure stable and reliable running of the S3700, S5700 and S6700 on the network.

This document is intended for:

- Data configuration engineers
- Commissioning engineers
- Network monitoring engineers
- System maintenance engineers

## **Symbol Conventions**

The symbols that may be found in this document are defined as follows.

Symbol	Description
<b>DANGER</b>	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.
<b>WARNING</b>	Indicates a hazard with a medium or low level of risk, which if not avoided, could result in minor or moderate injury.
A CAUTION	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
©—ª TIP	Indicates a tip that may help you solve a problem or save time.
NOTE NOTE	Provides additional information to emphasize or supplement important points of the main text.

## **Command Conventions**

The command conventions that may be found in this document are defined as follows.

Convention	Description
Boldface	The keywords of a command line are in <b>boldface</b> .
Italic	Command arguments are in <i>italics</i> .
[]	Items (keywords or arguments) in brackets [] are optional.
{ x   y   }	Optional items are grouped in braces and separated by vertical bars. One item is selected.
[x y ]	Optional items are grouped in brackets and separated by vertical bars. One item is selected or no item is selected.
{ x   y   }*	Optional items are grouped in braces and separated by vertical bars. A minimum of one item or a maximum of all items can be selected.
[x y ]*	Optional items are grouped in brackets and separated by vertical bars. Several items or no item can be selected.
&<1-n>	The parameter before the & sign can be repeated 1 to n times.
#	A line starting with the # sign is comments.

## **Change History**

Updates between document issues are cumulative. Therefore, the latest document issue contains all changes made in previous issues.

## Changes in Issue 02 (2012-09-10)

 Some contents are modified according to updates in the product such as features and commands.

#### Changes in Issue 01 (2012-07-25)

Initial commercial release.

## **Contents**

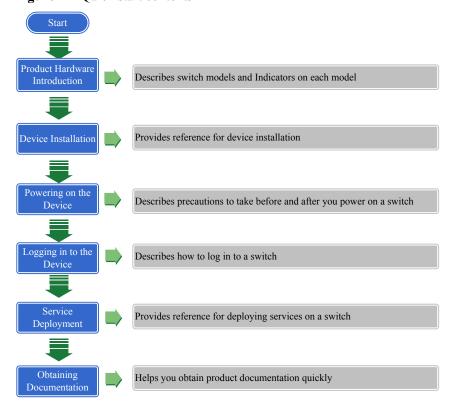
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# 1 Overview

This section provides an overview of quick start.

This document helps you quickly learn how to use the S3700/S5700/S6700. **Figure 1-1** shows the quick start contents.

Figure 1-1 Quick start contents



# Product Hardware Introduction

## **About This Chapter**

This section describes models and indicators of low-end switches.

#### 2.1 S3700 Introduction

This section describes device models and naming rules of the S3700.

#### 2.2 S5700 Introduction

This section describes device models and naming rules of the S5700.

#### 2.3 S6700 Introduction

This section describes device models and naming rules of the S6700.

#### 2.4 S3700 Indicator Description

This section describes the indicators on the S3700 front panel.

#### 2.5 S5700 Indicator Description

This section describes the indicators on the S5700 front panel.

#### 2.6 S6700 Indicator Description

This section describes the indicators on the S6700 front panel.

#### 2.1 S3700 Introduction

This section describes device models and naming rules of the S3700.

#### **Device Models**

Currently, S3700 only has one model, as described in **Table 2-1**.

Table 2-1 Device models

Model	Maximum Number of Interfaces
S3700-26C-HI	26
	There are twenty-two 10/100BASE-T Ethernet interfaces, two GE combo interfaces (10/100/1000BASE-T +100/1000BASE-X), and two interfaces on the front subcard.

#### **Naming Rules**

Figure 2-1 describes the naming rules of the S3700-26C-HI.

Figure 2-1 Naming rules

Ide ntifi er	Description	
A	Switch.	
В	Product series. "37" indicates the S3700 series.	
C	Maximum number of interfaces.	
D	<ul> <li>Uplink interface type:</li> <li>C: A device supports interface cards. There can be two uplink interfaces on an interface subcard.</li> </ul>	
E	Software version type:  • HI: advanced version, supporting high-performance Operation, Administration, and Maintenance (OAM) and built-in real-time clock (RTC)	

## 2.2 S5700 Introduction

This section describes device models and naming rules of the S5700.

#### **Device Models**

To meet diverse customer requirements, the S5700 provides a variety of models. **Table 2-2** lists these device models.

You can select a device model as required.

Table 2-2 Device models

Produ ct Series	Model	Maximum Number of Interfaces
S5700 C	S5700-28C-EI	28
		There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5700-28C-EI-24S	28
		There are twenty 100/1000BASE-X Ethernet optical interfaces, four GE combo interfaces
		(10/100/1000BASE-T+100/1000BASE-X), and four interfaces on the front subcard.
	S5700-52C-EI	52
		There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5700-28C-PWR-EI	28
		There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5700-52C-PWR-EI	52
		There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5700-28C-SI	28
		There are twenty 10/100/1000BASE-T Ethernet interfaces, four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X), and four interfaces on the front subcard.
	S5700-52C-SI	52
		There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.

Produ ct Series	Model	Maximum Number of Interfaces
	S5700-28C-HI-24S	There are twenty-four 100/1000BASE-X Ethernet optical interfaces and four interfaces on the front subcard.
	S5700-28C-HI	There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5700-28C-PWR-SI	There are twenty 10/100/1000BASE-T Ethernet interfaces, four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X), and four interfaces on the front subcard.
	S5700-52C-PWR-SI	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
S5700T P	S5700-24TP-SI-AC	There are twenty 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S5700-24TP-SI-DC	There are twenty 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S5700-48TP-SI-AC	There are forty-four 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S5700-48TP-SI-DC	There are forty-four 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S5700-24TP-PWR-SI	There are twenty 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).
	S5700-48TP-PWR-SI	There are forty-four 10/100/1000BASE-T Ethernet interfaces and four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X).

Produ ct Series	Model	Maximum Number of Interfaces
S5700P	S5700-28P-LI-AC	There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700-28P-LI-DC	There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700-52P-LI-AC	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700-52P-LI-DC	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700-28P-PWR-LI-AC	There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700-52P-PWR-LI-AC	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
S5710	S5710-28C-EI	There are twenty 10/100/1000BASE-T Ethernet interfaces, four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X), and four 10 Gbit/s SFP+ optical interfaces (working in autosensing mode and changing to GE interfaces).
	S5710-52C-EI	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four 10 Gbit/s SFP+ optical interfaces (working in auto-sensing mode and changing to GE interfaces).
	S5710-28C-PWR-LI	There are twenty 10/100/1000BASE-T Ethernet interfaces, four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X), and four interfaces on the front subcard.

Produ ct Series	Model	Maximum Number of Interfaces
	S5710-52C-PWR-LI	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
	S5710-28C-LI	There are twenty 10/100/1000BASE-T Ethernet interfaces, four GE combo interfaces (10/100/1000BASE-T+100/1000BASE-X), and four interfaces on the front subcard.
	S5710-52C-LI	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four interfaces on the front subcard.
S5700S	S5700S-28P-LI-AC	There are twenty-four 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.
	S5700S-52P-LI-AC	There are forty-eight 10/100/1000BASE-T Ethernet interfaces and four 1000BASE-X Ethernet optical interfaces.

## **Naming Rules**

The following are the naming rules of the S5710-28C-EI, S5700S-52P-LI-AC, S5700-48TP-PWR-SI, S5700-28C-EI-24S and S5700-28C-HI.

Figure 2-2 Naming rules

S5710-28C-EI

ABCEFH

S5700S-52P-LI-AC

ABCDEFHJ

S5700-48TP-PWR-SI

EGH

S5700-28C-EI-24S

I

S5700-28C-HI
H

Ide ntifi er	Description	
A	Switch.	
В	Product series. "57" indicates the S5700 series.	
C	Product subseries.	
D	The value S indicates business model.	
E	Maximum number of interfaces.  NOTE  The number of interfaces on an S5700 can be 24, 28, 48, or 52, depending on the device model.	

Ide ntifi er	Description	
F	<ul> <li>Uplink interface type:</li> <li>C: A device supports interface subcards. There can be two, four, or eight uplink interfaces an interface subcard.</li> <li>TP: A device has combo interfaces supporting optical and electrical interfaces.</li> <li>P: A device has optical interfaces.</li> </ul>	
G	The S5700 supports Power over Ethernet (PoE).  NOTE  If this letter is not displayed, PoE is not supported.	
Н	<ul> <li>Software version type:</li> <li>EI: enhanced version, supporting enhanced features.</li> <li>SI: standard version, supporting basic features.</li> <li>HI: advanced version, supporting high-performance Operation, Administration, and Maintenance (OAM) and built-in real-time clock (RTC).</li> <li>LI: simplified version.</li> </ul>	
I	Downlink interface type. The value 24S indicates that 24 downlink interfaces of the S5700-28C-EI-24S are optical interfaces.  NOTE  If this letter is not displayed, all downlink interfaces are electrical interfaces.	
J	Powering mode:  • AC: alternating current power  • DC: direct current power	

## 2.3 S6700 Introduction

This section describes device models and naming rules of the S6700.

#### **Device Models**

To meet diverse customer requirements, the S6700 provides a variety of models. **Table 2-3** lists these device models.

You can select a device model as required.

Table 2-3 Device models

Produ ct Series	Model	Maximum Number of Interfaces
S6700	S6700-24-EI	Twenty-four 10G SFP+ optical interfaces

Produ ct Series	Model	Maximum Number of Interfaces
	S6700-48-EI	Forty-eight 10G SFP+ optical interfaces

#### **Naming Rules**

The following are the naming rules of the S6700-48-EI.

Figure 2-3 Naming rules

$$\frac{\mathsf{S}6700-48-\mathsf{EI}}{\mathsf{A}\ \mathsf{B}\ \mathsf{C}\ \mathsf{D}}$$

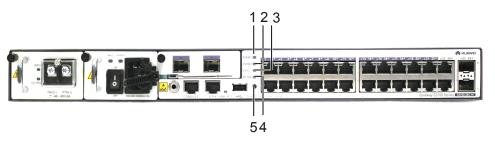
Ide ntifi er	Description
A	Switch.
В	Product series. "67" indicates the S6700 series.
C	Maximum number of interfaces. The number of interfaces on an S6700 can be 24 or 48, depending on the device model.
D	Software version type:  • EI: enhanced version, supporting enhanced features

## 2.4 S3700 Indicator Description

This section describes the indicators on the S3700 front panel.

S3700-26C-HI is a non-PoE switch that supports two power supply units.

Figure 2-4 S3700-26C-HI indicators



**Table 2-4** Description of S3700-26C-HI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator PWR1	PWR1	Off	No power supply unit is installed, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	<ul> <li>Two power supply units are installed properly, but not switched on.</li> <li>The power supply</li> </ul>
				units are switched off.
				• The power supply units are faulty.
2	Power indicator PV	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	Two power supply units are installed properly, but not switched on.
				• The power supply units are switched off.
				• The power supply units are faulty.
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.

No.	Indicator	Identifier	Status	Description
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	4 Mode MODE indicator	MODE	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in Figure 2-4, the button marked "5" is the mode switching button. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a third time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off. The following table describes the meanings of indicators.

Table 2-5 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.

Display Mode	Status	Description
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	The interface is operating at 10/100 Mbit/s.
	Blinking green	The interface is operating at 1000 Mbit/s.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	The device is a not a command switch:
		• If the indicator of an interface is always on, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device are always on, the stack ID of the device is 0.
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the</li> </ul>
		<ul> <li>device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

## 2.5 S5700 Indicator Description

This section describes the indicators on the S5700 front panel.

The indicator meanings of the S5700 vary with models as listed in Table 2-6.

Table 2-6 Indicator meanings and corresponding models

Device Type	Model	Indicator
Non-PoE switch	S5700-24TP- SI-AC	Take S5700-24TP-SI-AC for example. See <b>Figure 2-5</b> .
supporting a single power supply	S5700-24TP- SI-DC	
	S5700-48TP- SI-AC	
	S5700-48TP- SI-DC	
	S5700-28P-LI- AC	Take S5700-28P-LI-AC for example. See <b>Figure 2-6</b> .
	S5700-28P-LI- DC	
	S5700-52P-LI- AC	
	S5700-52P-LI- AC	
	S5700S-28P- LI-AC	
	S5700S-52P- LI-AC	
Non-PoE	S5700-28C-EI	Take S5700-28C-EI for example. See <b>Figure 2-7</b> .
switch supporting two power	S5700-28C- EI-24S	
supplies	S5700-28C-SI	
	S5700-52C-EI	
	S5700-52C-SI	
	S5700-28C-HI	
	S5700-28C- HI-24S	
	S5710-28C-LI	
	S5710-52C-LI	
	S5710-28C-EI	Take S5710-28C-EI for example. See <b>Figure 2-8</b> .
	S5710-52C-EI	

Device Type	Model	Indicator
PoE switch supporting	S5700-28C- PWR-EI	Take S5700-28C-PWR-EI for example. See <b>Figure 2-9</b> .
two power supplies	S5700-52C- PWR-EI	
	S5700-24TP- PWR-SI	
	S5700-48TP- PWR-SI	
	S5700-28C- PWR-SI	
	S5700-52C- PWR-SI	
	S5710-28C- PWR-LI	
	S5710-52C- PWR-LI	
PoE switch supporting a	S5700-28P- PWR-LI-AC	Take S5700-28P-PWR-LI-AC for example. See <b>Figure 2-10</b> .
single power supply	S5700-52P- PWR-LI-AC	

#### **Indicators of a Non-PoE S5700**

S5700-24TP-SI-AC, and S5700-28P-LI-AC are non-PoE switches.

#### **□** NOTE

Only S5700-24TP-SI-AC, S5700-24TP-SI-DC, S5700-48TP-SI-AC and S5700-48TP-SI-DC have redundant power supply (RPS) indicators.

Figure 2-5 S5700-24TP-SI-AC indicators



Table 2-7 Description of S5700-24TP-SI-AC indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator PWR	PWR	Off	The switch is powered off.
			Green	The switch is powered on.
			Orange	The power supply unit is faulty, and the external RPS system has started.
2	RPS indicator	RPS	Off	The RPS is not connected to the switch or the RPS is faulty.
			Green	The RPS is connected to the switch.
3	3 System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	4 Mode indicator	r -	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.

No.	Indicator	Identifier	Status	Description
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in **Figure 2-5**, the button marked "5" is the mode switching button. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a third time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off. The following table describes the meanings of indicators.

Table 2-8 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s.
		1000M/10G interface: The interface is operating at 1000 Mbit/s.
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s.
		1000M/10G interface: The interface is operating at 10 Gbit/s.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.

Display Mode	Status	Description
	Green	The device is a not a command switch:
		• If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.
	Blinking green	The device is a command switch:  • If the indicator of an interface blinks, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device blink, the stack ID of the device is 0.

Figure 2-6 S5700-28P-LI-AC indicators

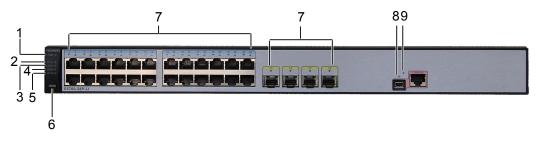


Table 2-9 Description of S5700-28P-LI-AC indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR	Off	The switch is powered off.
			Green	The switch is powered on.
			Orange	The power supply unit is faulty, and the external RPS system has started.

No.	Indicator	Identifier	Status	Description
2	System status indicator	SYS	Off	The system is not operating.
			Blinking green quickly (4 Hz)	The system is starting.
			Blinking green slowly (0.5 Hz)	The system is operating properly.
			Blinking orange (0.5 Hz)	The system is sleeping.  NOTE  When the switch is sleeping, pressing the MODE button can waken the switch.
			Red	The system does not operate properly, or a power alarm, fan alarm is generated.
3	STAT indicator	STAT	Off	The indicator is not in the STAT mode.
			Green	The service interface indicator is in the default mode (STAT).
4	Speed indicator	SPED	Off	The indicator is not in the speed mode.
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to STAT.
5	Stack indicator	STCK	Off	The indicator is not in the stack mode.
			Green	The service interface indicator indicates the stack information. After 45 seconds, the service interface indicator automatically restores to STAT.

No.	Indicator	Identifier	Status	Description
			Blinking green	The indicator indicates the active device in a stack or a device not added to a stack.
6	Mode switching button	MODE		<ul> <li>When you press the button once, the SPED indicator turns green and the service interface indicators show the speed status of interfaces.</li> <li>When you press the button for a second time, the STCK indicator turns green and the service interface indicators show the stack status.</li> <li>When you press the button for a third time, the STAT indicator turns green.</li> <li>If you do not press the button within 45 seconds, the indicators restore to the default status. That is, the STAT indicator turns green, and the SPED and STCK indicators are off.</li> </ul>

No.	Indicator	Identifier	Status	Description
7	Service interface indicator	GE     electrical interfaces:     The first indicator shows the status of the bottom left interface.     The indicators correspond to the interfaces from bottom to top and from left to right.      GE optical interfaces:     Each optical interface has a correspond ing indicator above it.	Off Green Blinking green	The meanings of service interface indicators vary according to the indicator status. For details, see Table 2-10.
8	Mini USB indicator	The indicators for the Mini USB port and CON port are close to each other. The Mini USB indicator has an arrowhead pointing to the Mini USB port.	Off Green	The Mini USB port is not in use.  The Mini USB port is in use.
9	CON indicator	The indicators for the Mini USB port and CON port are close to each other. The CON indicator	Off	The Mini USB port is in use.

No.	Indicator	Identifier	Status	Description
		has an arrowhead pointing to the CON port.	Green	The Mini USB port is not in use. This indicator is steady green unless the Mini USB port is accessed.

Table 2-10 Description of service interface indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s. 1000M/10G interface: The interface is operating at 1000 Mbit/s.
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s. 1000M/10G interface: The interface is operating at 10 Gbit/s.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	<ul> <li>The device is a not a command switch:</li> <li>If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.</li> </ul>

Display Mode	Status	Description
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

The S5700-28C-EI and S5710-28C-EI are non-PoE switches with dual power supply units.

Figure 2-7 S5700-28C-EI indicators



Table 2-11 Description of S5700-28C-EI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	• Two power supply units are installed properly, but not switched on.
				• The power supply units are switched off.
				• The power supply units are faulty.

No.	Indicator	Identifier	Status	Description
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	<ul> <li>Two power supply units are installed properly, but not switched on.</li> <li>The power supply units are switched</li> </ul>
				<ul><li>off.</li><li>The power supply units are faulty.</li></ul>
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	MODE	Off	The service interface indicator is in the default mode (STAT).

No.	Indicator	Identifier	Status	Description
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

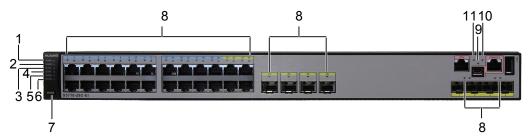
As shown in **Figure 2-7**, the button marked "5" is the mode switching button. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a third time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off. The following table describes the meanings of indicators.

Table 2-12 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s.
		1000M/10G interface: The interface is operating at 1000 Mbit/s.

Display Mode	Status	Description
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s. 1000M/10G interface: The interface is operating at 10 Gbit/s.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	<ul> <li>The device is a not a command switch:</li> <li>If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.</li> </ul>
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

Figure 2-8 S5710-28C-EI indicators



**Table 2-13** Description of S5710-28C-EI indicators

No.	Indicator	Identifier	Status	Description
1	From the rear view: power indicator on the right	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The switch is powered on.
			Orange	Possible causes are as follows:  Two power supply units are installed, but not switched on.  The power supply units are not connected properly.  A power supply unit is faulty.
2	From the rear view: power indicator on the left	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The switch is powered on.
			Orange	Possible causes are as follows:  Two power supply units are installed, but not switched on.  The power supply units are not connected properly.  A power supply unit is faulty.
3	System status indicator	SYS	Off	The system is not operating.

No.	Indicator	Identifier	Status	Description
			Blinking green quickly (4 Hz)	The system is starting.
			Blinking green slowly (0.5 Hz)	The system is operating properly.
			Blinking orange (0.5 Hz)	The system is sleeping.
			Red	The system does not operate properly, or a power alarm, fan alarm is generated.
4	STAT indicator	STAT	Off	The indicator is not in the STAT mode.
			Green	The service interface indicator is in the default mode (STAT).
5	Speed indicator	_	Off	The indicator is not in the speed mode.
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to STAT.
6	Stack indicator	STCK	Off	The indicator is not in the stack mode.
			indicator indicator stack information After 45 second service interface indicator	automatically restores
			Blinking green	The indicator indicates the active device in a stack or a device not added to a stack.

No.	Indicator	Identifier	Status	Description
7	Mode switching button	MODE		<ul> <li>When you press the button once, the SPED indicator turns green and the service interface indicators show the speed status of interfaces.</li> <li>When you press the button for a second time, the STCK indicator turns green and the service interface indicators show the stack status.</li> <li>When you press the button for a third time, the STAT indicator turns green.</li> <li>If you do not press the button within 45 seconds, the indicators restore to the default status.</li> <li>That is, the STAT indicator turns green, and the SPED and STCK indicators are off.</li> </ul>

No.	Indicator	Identifier	Status	Description
8	Service interface indicator	electrical interfaces: The first indicator shows the status of the bottom left interface. The indicators correspond to the interfaces from bottom to top and from left to right.  GE optical interfaces: Each optical interface has a correspond ing indicator above it.	Off Green Blinking green	The meanings of service interface indicators vary according to the indicator status. For details, see Table 2-14.
9	Mini USB indicator	The indicators for the Mini USB port, CON port, and ETH port are close to each other. The Mini USB indicator has an arrowhead pointing to the Mini USB port.	Off Green	The Mini USB port is not in use.  The Mini USB port is in use.
10	CON indicator	The indicators for the Mini USB port, CON port, and ETH port are close to each	Off	The Mini USB port is in use.

No.	Indicator	Identifier	Status	Description
		other. The CON indicator has an arrowhead pointing to the CON port.	Green	The Mini USB port is not in use. This indicator is steady green unless the Mini USB port is accessed.
11	ETH indicator		Off	The interface is not connected.
	1 1 1	USB port, CON port, and ETH port are	Green	The interface is connected.
other. T ETH in has an arrowhe pointing	close to each other. The ETH indicator has an arrowhead pointing to the ETH port.	Blinking green	The interface is sending or receiving data.	

Table 2-14 Description of service interface indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s.
		1000M/10G interface: The interface is operating at 1000 Mbit/s.
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s.
		1000M/10G interface: The interface is operating at 10 Gbit/s.

Display Mode	Status	Description
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	<ul> <li>The device is a not a command switch:</li> <li>If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.</li> </ul>
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

### **Indicators of a PoE S5700**

The S5700-28C-PWR-EI and S5700-28P-PWR-LI-AC are PoE switches.

Figure 2-9 S5700-28C-PWR-EI indicators



Table 2-15 Description of S5700-28C-PWR-EI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	<ul> <li>Two power supply units are installed properly, but not switched on.</li> <li>The power supply units are switched off.</li> <li>The card power and PoE power are abnormal.</li> </ul>
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.

No.	Indicator	Identifier	Status	Description
			Red	<ul> <li>Two power supply units are installed properly, but not switched on.</li> <li>The power supply units are switched off.</li> <li>The card power and PoE power are abnormal.</li> </ul>
			Orange	If a single power supply unit is installed, the PoE power is out of range. If two power supply units are installed, the card power or PoE power is out of range.
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	-	Off	The service interface indicator is in the default mode (STAT).

No.	Indicator	Identifier	Status	Description
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Orange	The service interface indicator indicates the PoE status. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in Figure 2-9, the button marked "5" is the mode switching button. On an S5700, you can press the mode switching button to switch the display modes of interface indicators. The status of a mode indicator represents the display mode of the related interface indicator. For example, the mode indicator of S5700-28C-PWR-EI is off and the interface indicators are in STAT state by default. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns orange and the related interface indicator represents the PoE power status. When you press the mode switching button for a third time, the mode indicator turns red and the related interface indicator represents the stack status. When you press the mode switching button for a fourth time, the mode indicator restores to the default state (off). If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off.

The following table describes the meanings of indicators.

Table 2-16 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.

Display Mode	Status	Description
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s.
		1000M/10G interface: The interface is operating at 1000 Mbit/s.
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s.
		1000M/10G interface: The interface is operating at 10 Gbit/s.
РоЕ	Off	The interface does not provide remote power.
	Green	The interface is providing remote power.
	Blinking green	The power of the powered device (PD) exceeds the power supply capability of the port or exceeds the threshold.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	The device is a not a command switch:
		• If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.

Display Mode	Status	Description
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

Figure 2-10 S5700-28P-PWR-LI-AC indicators



Table 2-17 Description of S5700-28P-PWR-LI-AC indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR	Off	The switch is powered off.
			Green	The switch is powered on.
			Orange	The power supply unit is faulty, and the external RPS system has started.
2	System status indicator	SYS	Off	The system is not operating.
			Blinking green quickly (4 Hz)	The system is starting.
			Blinking green slowly (0.5 Hz)	The system is operating properly.
			Blinking orange (0.5 Hz)	The system is sleeping.

No.	Indicator	Identifier	Status	Description
			Red	The system does not operate properly, or a power alarm, fan alarm is generated.
3	STAT indicator	STAT	Off	The indicator is not in the STAT mode.
			Green	The service interface indicator is in the default mode (STAT).
4	Speed indicator	SPED	Off	The indicator is not in the speed mode.
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to STAT.
5	Stack indicator	STCK	Off	The indicator is not in the stack mode.
			Green	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to STAT.
			Blinking green	The indicator indicates the active device in a stack or a device not added to a stack.
6 PoE indicato	PoE indicator	РоЕ	Off	The indicator is not in the PoE mode.
			Green	The service interface indicator indicates the PoE status. After 45 seconds, the service interface indicator automatically restores to STAT.

No.	Indicator	Identifier	Status	Description
<b>No.</b> 7	Indicator  Mode switching button	Identifier  MODE	Status	<ul> <li>When you press the button once, the SPED indicator turns green and the service interface indicators show the speed status of interfaces.</li> <li>When you press the button for a second time, the STCK indicator turns green and the service interface indicators show the stack status of interfaces.</li> <li>When you press the button for a third time, the PoE indicator turns green and the service interface indicators show the button for a third time, the PoE indicator show the PoE status.</li> <li>When you press the button for a fourth time, the STAT indicator</li> </ul>
				turns green.  If you do not press the button within 45 seconds, the indicators restore to the default status.  That is, the STAT indicator turns green, and the SPED, STCK and PoE indicators are off.

No.	Indicator	Identifier	Status	Description
7	Service interface indicator	electrical interfaces: The first indicator shows the status of the bottom left interface. The indicators correspond to the interfaces from bottom to top and from left to right.  GE optical interfaces: Each optical interface has a correspond ing indicator above it.	Off Green Blinking green	The meanings of service interface indicators vary according to the indicator status. For details, see Table 2-18.
8	Mini USB indicator	The indicators for the Mini USB port and CON port are close to each other. The Mini USB indicator has an arrowhead pointing to the Mini USB port.	Off	The Mini USB port is not in use.  The Mini USB port is in use.
9	CON indicator	The indicators for the Mini USB port and CON port are close to each other. The CON indicator	Off	The Mini USB port is in use.

No.	Indicator	Identifier	Status	Description
		has an arrowhead pointing to the CON port.	Green	The Mini USB port is not in use. This indicator is steady green unless the Mini USB port is accessed.

Table 2-18 Description of service interface indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	10M/100M/1000M interface: The interface is operating at 10/100 Mbit/s.
		1000M/10G interface: The interface is operating at 1000 Mbit/s.
	Blinking green	10M/100M/1000M interface: The interface is operating at 1000 Mbit/s.
		1000M/10G interface: The interface is operating at 10 Gbit/s.
РоЕ	Off	The interface does not provide PoE power.
	Green	The interface is providing PoE power.
	Orange	The PoE function on the interface is disabled.
	Blinking orange	A PoE fault occurs. For example, an incompatible cable or PD is connected to the interface or the PoE power supply unit is faulty.

Display Mode	Status	Description
	Blinking green and orange alternately	The interface cannot provide power to PDs. The possible reasons including:
		The power of a connected PD exceeds the interface's powering capability or upper power supply threshold.
		The power provided by the switch has reached the powering capability of the switch.
		The PoE power function is not enabled on the interface in manual power-management mode.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	The device is a not a command switch:
		• If the indicator of an interface is steady on, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device are steady on, the stack ID of the device is 0.
	Blinking green	The device is a command switch:
		If the indicator of an interface blinks, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device blink, the stack ID of the device is 0.

### 2.6 S6700 Indicator Description

This section describes the indicators on the S6700 front panel.

### **Indicators of S6700 Switch**

In the following description, the indicators of S6700-24-EI are described as an example.

Figure 2-11 S6700-24-EI indicators



Table 2-19 Description of S6700-24-EI indicators

No.	Indicator	Identifier	Status	Description
1	Power indicator	PWR1	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.
			Red	Two power supply units are installed properly, but not switched on.
				• The power supply units are switched off.
				• The power supply units are faulty.
2	Power indicator	PWR2	Off	The power supply units are not present, or the power supply is abnormal when a single power supply unit is used.
			Green	The power supply is normal.

No.	Indicator	Identifier	Status	Description
			Red	<ul> <li>Two power supply units are installed properly, but not switched on.</li> <li>The power supply units are switched off.</li> <li>The power supply units are faulty.</li> </ul>
3	System status indicator	SYS	Off	The system is not operating.
			Green	The system is not operating properly or is starting.
			Orange	The system is performing self-check during startup.
			Blinking green	The system is operating properly.
			Red	After registering, the system does not operate properly, or a power alarm, fan alarm, or temperature alarm is generated.
4	Mode indicator	MODE	Off	The service interface indicator is in the default mode (STAT).
			Green	The service interface indicator indicates the interface speed. After 45 seconds, the service interface indicator automatically restores to off.
			Red	The service interface indicator indicates the stack ID. After 45 seconds, the service interface indicator automatically restores to off.

As shown in Figure 2-11, the button marked "5" is the mode switching button. When you press the mode switching button once, the mode indicator turns green and the related interface indicator enters the speed state. When you press the mode switching button for a second time, the mode indicator turns red and the related interface indicator represents the stack status. If you do not press the mode switching button within 45 seconds, the mode indicator automatically restores to off. The following table describes the meanings of indicators.

### NOTE

PWR1 is at the side of the chassis.

Table 2-20 Description of indicators in different modes

Display Mode	Status	Description
STAT	Off	The interface is not connected or has been shut down.
	Green	The interface is connected.
	Blinking green	The interface is sending or receiving data.
Speed	Off	The interface is not connected or has been shut down.
	Green	The interface speed is 1000 Mbit/s.
	Blinking green	The interface speed is 10 Gbit/s.
Stack	Off	The stack ID of the member switch is not the number of the interface in the off state.
	Green	The device is a not a command switch:
		• If the indicator of an interface is always on, the number of this interface is the stack ID of the device.
		• If the first nine interface indicators of the device are always on, the stack ID of the device is 0.

Display Mode	Status	Description
	Blinking green	<ul> <li>The device is a command switch:</li> <li>If the indicator of an interface blinks, the number of this interface is the stack ID of the device.</li> <li>If the first nine interface indicators of the device blink, the stack ID of the device is 0.</li> </ul>

## 3 Device Installation

This section describes how to install the S3700/S5700/S6700.

For details on device installation, see the S2700&3700&5700&6700 Quick Installation Guide.

MOTE

You can obtain the paper documentation of the quick start from delivered accessories. To obtain the electronic documentation of the quick start, see Where to Obtain Documentation.

# 4 Powering on the Device

### **About This Chapter**

This section describes the check items and the procedure for powering on and powering off the device.

### 4.1 Checking Before Power-on

After hardware installation is complete, you need to check the device installation and cable installation.

- 4.2 Powering on the Device
- 4.3 Checking After Power-on

### 4.1 Checking Before Power-on

After hardware installation is complete, you need to check the device installation and cable installation.

### **□** NOTE

Before power-on, you need to check the device cabinet, cables, connectors, sockets, labels, and on-site environment.

### **Device Installation Checklist**



### **CAUTION**

Before power-on, all the power distribution cabinets and power distribution frames must be off.

Table 4-1 describes the device installation checklist.

Table 4-1 Device installation checklist

No.	Item	Method
1	The cabinet is installed according to the dimensions on the design paper.	Check the cabinet according to the project design document.
2	The expansion bolts for fixing the cabinet or base (support) to the ground are fastened. The plain washer, spring washer, and nut (bolt) are installed correctly.	-

No.	Item	Method
3	The installation holes on the support and the expansion bolts adapt to each other to ensure insulation between the support and the ground and between the floor bracket and the guide rail.	Use the multimeter to measure the resistance between the bolt and the ground bolt of the rack. The resistance must be more than five mega ohms.
4	The surfaces of the cabinets in the same row should be on the same plane. The cabinets are arranged closely and tidily. The cabinets on the sides of the main path are aligned. The position error should be less than 5 mm.	-
5	The accessories of the front and rear doors are completely installed and the connection board is installed for combining cabinets.	-
6	The front door of a cabinet can be opened and closed easily.	Open the door lock.  Close the door lock.  Open the door lock.  Open the door lock.  Open the door lock.

No.	Item	Method
7	The card is installed and removed easily. The screws on the panel should be appropriately tightened and easily disassembled. The spring wire is intact.	-
8	The cabinet surface must be tidy and clean; the components of the cabinet cannot be distorted; all identifiers are correct, clear, and complete.	-
9	The cabinet is kept clean and there are no excessive binding straps and other articles in the cabinet.	-
10	The ESD wrist straps are connected the ESD jack in the chassis.	
11	Blank panels are installed in all empty slots.	-

### **Cable Installation Checklist**

Table 4-2 describes the cable installation checklist.

Table 4-2 Cable installation checklist

No.	Item	Method
1	The power cables and ground cables must be the copper wires and have no splice. The cables are safely connected complying with standards.	-

No.	Item	Method
2	The power cables and ground cables are connected safely. The spring washer of the ground cable terminal is on the flat washer.	-
3	The lugs of the power cables and ground cables are soldered or crimped tightly.	-
4	The power cables and ground cables are not crossed and are separated from other cables.	
5	The redundant part of the power cables and ground cables should be cut. The cables cannot be circled.	-
6	The ground cables must be tightly connected to the doors of the cabinet.	-
7	Labels are filled and attached to power cables and PGND cables; power cables and PGND cables including power distribution switches are labeled correctly and clearly. Labels are attached 20 mm from the connector.	-
8	The clearance between the power cable, PGND cable, and signal cable must be more than 30 mm.	-

Table 4-3 describes the cabinet cable checklist.

Table 4-3 Cabinet cable checklist

No.	Item	Method
1	Cables are correctly connected.	-
2	Cable ties are not overlapped and connectors are smooth.	-

Table 4-4 describes the signal cable checklist.

Table 4-4 Signal cable checklist

No.	Item	Method
1	All the signal cables to be deployed pass the continuity check.	-
2	No signal cable is placed on the heat dissipation holes of the cabinet.	-
3	The bent part of a signal cable cannot be too tight.	
4	The cables in the cabinet cannot be crossed and the cables outside the cabinet are bound.	-
5	The two ends of a signal cable are clearly identified by labels and the texts on the labels are in the same direction.	-
6	The bolts that fix the cables are tightened.	-

### 4.2 Powering on the Device

Turn on the power module of the device.

### 4.3 Checking After Power-on

Check the following items after the device is powered on:

- The sound of fan rotating can be heard and that the air exhaust from the air vents can be felt.
- The indicators of the power modules run normally. Normally, the INPUT and OUTPUT indicators are on.
- The indicators of the fan modules run normally. Normally, the STATUS indicator is on.

# 5 Logging in to the Device

### **About This Chapter**

This section describes how to log in to the device.

- 5.1 Logging In to the Switch Through the Console Interface
- 5.2 Example for Configuring to Manage the SwitchThrough Telnet
- 5.3 Logging In to the Web System Client

Before configuring the switch, you must log in to the Web system client.

### 5.1 Logging In to the Switch Through the Console Interface

### Context

When establishing the configuration environment through the console interface, you can log in to the S3700/S5700/S6700 through the HyperTerminal in Windows.

### **Procedure**

**Step 1** Start the HyperTerminal.

Choose **Start** > **All Program** > **Accessories** > **Communications** > **HyperTerminal** to start the HyperTerminal in Windows XP.

**Step 2** Set up a connection.

See Figure 5-1. Enter the name of the new connection in the Name text box and then choose one icon. Then, click **OK**.

Figure 5-1 Setting up a connection



**Step 3** Configure an interface for connection.

In the **Connect To** dialog box, as shown in **Figure 5-2**, select an interface from the drop-down list box according to the actual interface on the PC or terminal. Next, click **OK**.



Figure 5-2 Configuring the interface for connection

### **Step 4** Set communication parameters.

When the **COM1 Properties** dialog box is displayed as shown in **Figure 5-3**, specify the parameters listed in **Table 5-1**.

### **□** NOTE

In other Windows operating systems, bits per second may be described as baud rate and data stream control may be described as traffic control.

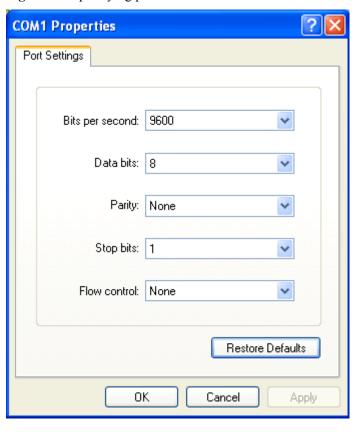


Figure 5-3 Specifying parameters

Table 5-1 Parameters

Parameter	Value
Bit per second (baud rate)	9600
Data bit	8
Parity check	None
Stop bit	1
Flow control (traffic control)	None

Step 5 After the HyperTerminal starts, choose FileAttributes to display the COMM1 Properties dialog box, as shown in Figure 5-4. On the Setting tab, select VT100 in the Emulation drop-down list box. Click OK to complete the setting.

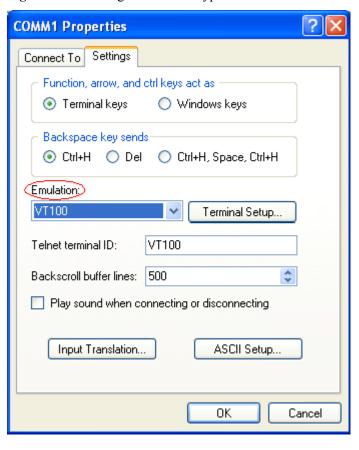


Figure 5-4 Selecting the terminal type

**Step 6** Press **Enter**. At the following command-line prompt, set an authentication password. The system automatically saves the set password.

Please configure the login password (maximum length 16) Enter Password:
Confirm Password:

### M NOTE

After the password for the user interface is set successfully during the first login, you must enter this password for authentication when you relog in to the system in password authentication mode using this user interface.

### ----End

### Follow-up Procedure

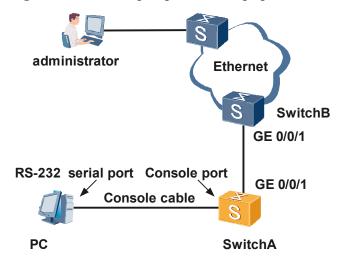
If the prompt < Quidway> is displayed on the screen, it indicates that the Command Line Interface (CLI) is displayed. In this case, you can enter commands to configure or manage the S3700/S5700/S6700. For details on configuration procedures, see the following sections.

### 5.2 Example for Configuring to Manage the SwitchThrough Telnet

### **Networking Requirements**

As shown in **Figure 5-5**, SwitchA is newly added to the network. SwitchA and SwitchB are connected through a trunk link. To enable the network administrator to manage SwitchA remotely, you need to configure the Telnet service and set the device name on SwitchA.

Figure 5-5 Networking diagram of managing SwitchA through Telnet



### **Configuration Roadmap**

The configuration roadmap is as follows:

- 1. Log in to SwitchA through the console interface.
- 2. Set the device name.
- 3. Configure a management VLAN.
- 4. On SwitchA, set the type of the interface that connects SwitchA and SwitchB to trunk. Add the interface to the management VLAN in trunk mode.
- 5. Configure the management IP address of SwitchA.
- 6. Configure the Telnet service.

### **Data Preparation**

To complete the configuration, you need the following data:

- ID of the management VLAN
- Management IP address of SwitchA
- Number of the interface that connects SwitchA and SwitchB on SwitchA
- Authentication mode, user name, and password

### **Configuration Procedure**

1. Log in to SwitchA through the console port. For details, see **Logging In to the Switch**Through the Console Interface.

2. Set the device name of SwitchA.

```
<Quidway> system-view
[Quidway] sysname SwitchA
```

3. Configure a management VLAN.

```
[SwitchA] vlan 1
[SwitchA-vlan1] description admin_VLAN
```

4. On SwitchA, set the type of the interface that connects SwitchA and SwitchB to trunk. Add the interface to the management VLAN in trunk mode.

```
[SwitchA] interface Gigabitethernet 0/0/1

[SwitchA-GigabitEthernet0/0/1] port link-type trunk

[SwitchA-GigabitEthernet0/0/1] port trunk allow-pass vlan 1

[SwitchA-GigabitEthernet0/0/1] quit
```

5. Configure the management IP address of SwitchA.

```
[SwitchA] interface vlanif 1
[SwitchA-Vlanif1] ip address 10.10.10.10 255.255.255.0
[SwitchA-Vlanif1] quit
```

- 6. Configure the Telnet service on SwitchA:
  - Set the authentication method to AAA, user name to huawei, and password to huawei.
  - Set the service type to telnet and user level to 15.
  - Configure AAA authentication for the users at the vty 0 to vty 4 levels.

```
[SwitchA] aaa
[SwitchA-aaa] local-user huawei password simple huawei
[SwitchA-aaa] local-user huawei service-type telnet
[SwitchA-aaa] local-user huawei privilege level 15
[SwitchA-aaa] quit
[SwitchA] user-interface vty 0 4
[SwitchA-ui-vty0-4] authentication-mode aaa
[SwitchA-ui-vty0-4] return
<SwitchA>
```

7. Verify the configuration.

### NOTE

When the administrator logs in to SwitchA through Telnet, ensure that the PC of the administrator and SwitchA are reachable at the network layer.

```
<SwitchA> telnet 127.0.0.1
Trying 127.0.0.1 ...
Press CTRL+T to abort
Connected to 127.0.0.1 ...
                    ***********
           All rights reserved (2005-2007)
       Without the owner's prior written consent,
* no decompiling or reverse-engineering shall be allowed. *
* Notice:
      This is a private communication system.
   Unauthorized access or use may lead to prosecution.
Login authentication
Username: huawei
Password:
Note: The max number of VTY users is 15, and the current number
     of VTY users on line is 3.
<SwitchA>
```

### **Configuration Files**

### SwitchA

```
sysname SwitchA
vlan batch 1
vlan 1
description admin VLAN
interface Vlanif1
ip address 10.10.10.10 255.255.255.0
interface GigabitEthernet0/0/1
port link-type trunk
port trunk allow-pass vlan 1
local-user huawei password simple huawei
local-user huawei service-type telnet
local-user huawei privilege level 15
authentication-scheme default
authorization-scheme default
accounting-scheme default
domain default
user-interface con 0
user-interface vtv 0 4
authentication-mode aaa
return
```

### 5.3 Logging In to the Web System Client

Before configuring the switch, you must log in to the Web system client.

### Context

- Before logging in to the Web system client, ensure that the switch has been commissioned and the Web system server is enabled on the switch.
- The Web system client connects to the switch through HTTP; therefore, you must log in to the Web system client through HTTP.
- It is recommended that the Web system client should run the Windows XP operating system because other operating systems may be imcompatible with the web system. And the Web system client supports the Microsoft Internet Explorer 6.0 (IE6) and Firefox 3.0, or later versions. The Web system client described in this document uses the IE6.

### **Procedure**

- **Step 1** Open Microsoft Internet Explorer 6.0 on the client.
- **Step 2** Enter the universal resource locator (URL) of the Web system client in the address bar and press **Enter**. The **User Login** dialog box is displayed, as shown in **Figure 5-6**.

The URL is in the format http://IP/view/login.html, for example, http://10.164.19.131/view/login.html.

User Login

User Name: admin

Password:

Verify Code: x5wy X5WY Change?

Language: English

Save my password

Login Reset

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Figure 5-6 User Login

### Step 3 Enter values in User Name, Password, and Verify Code.

- The local switch provides a default account. The user name and password of the account are admin.
- To create, change, or delete user names and passwords, choose Security > AAA > User Management.
- Users at levels 0, 1 and 2 have only visit-level rights, and can view only the **Ping** and **Tracert** pages after logging in to the client.

### **Step 4** Choose a language, for example, **English**.

- The Web system client of the current version supports Chinese and English.
- After logging in to the client, you can select another language from the **Language** drop-down list on the top right corner of the page.

### Step 5 Click Login.

**◯** NOTE

If you select **Save my password** before clicking **Login**, you do not need to enter the user name and password at next login.

After you log in to the Web system, the main page is displayed. For details about the main page, see Window Layout.

----End

### 6 Service Deployment

This section describes service deployment.

For details on service deployment, see the corresponding configuration guides.

# 7 Obtaining Documentation

You can obtain product documentation, online help, and release documents in various ways.

### **Product Documents**

Table 7-1 shows how to obtain product documents.

Table 7-1 Obtaining product documents

Phase	How to Obtain Documentation		
	HedEx Library	Single Electronic Document	
Installation	<ul> <li>From the electronic documentation delivered with the equipment</li> <li>From http://support.huawei.com</li> <li>From the local Huawei representative office</li> </ul>	<ul> <li>From http:// support.huawei.com</li> <li>From http:// enterprise.huawei.com</li> </ul>	
Version upgrade	<ul> <li>From http:// support.huawei.com</li> <li>From the local Huawei representative office</li> </ul>		

### **□** NOTE

- Obtain the product documents from <a href="http://support.huawei.com">http://support.huawei.com</a> by choosing <a href="Documentation">Documentation</a> > Data <a href="Documentation">Communication</a>. It is recommended that you use your work email to register as an equipment customer for login to Huawei support website. For any help, contact Huawei technical support engineers.
- Obtain the product documents from <a href="http://enterprise.huawei.com">http://enterprise.huawei.com</a> by choosing Support > Documentation Center > IP Network & Security > Switches.

### Online Help

The online help is integrated and released with the product software. You can view the online help by:

- Selecting **Help** on the NMS interface
- Pressing F1 on any interface of the NMS

### **Release Documents**

Release documents are released with the software package. You can apply to Huawei technical support personnel for the documents.